



Attorney Docket No. 03544/LH

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Applicant(s): Takahiro KAWAGUCHI
Serial No. : 10/655,894
Filed : September 4, 2003
For : WIRE DOT PRINTER HEAD AND
WIRE DOT PRINTER
Art Unit : 2854
Examiner : COLILLA, DANIEL JAMES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R :

The following U.S. applications are related to the above-identified application:

Serial No. 10/655,281, filed September 3, 2003;
Serial No. 10/764,642 filed January 26, 2004;
Serial No. 10/940,361 filed September 14, 2004;
Serial No. 10/940,362 filed September 14, 2004;
Serial No. 10/940,492 filed September 14, 2004;
Serial No. 10/940,432 filed September 14, 2004; and
Serial No. 10/940,338 filed September 14, 2004.

Attached are Forms PTO/SB/08A and PTO/SB/08B listing the particulars of each of the related applications as well as each of the Japanese and U.S. documents submitted herewith. These Japanese and U.S. documents are considered to be material because they were cited by the applicants and/or by the U.S. Examiner in said related applications.

The pending U.S. patent applications identified on said form PTO/SB/08A are stored in the USPTO's Image File Wrapper system.

It is respectfully requested that the Examiner return initialed copies of the attached Forms PTO/SB/08A and PTO/SB/08B

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date noted below.

Dated: 12/20/2004

In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by credit card payment attached hereto, authorization to charge the extension fee, or any other fee required in connection with this Paper, to Account No. 06-1378.

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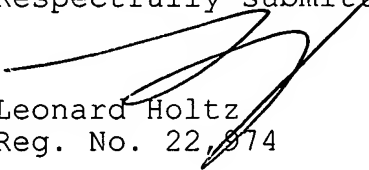
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to confirm that the documents listed therein have all been considered and made of record.

A form 2038 is enclosed to cover the USPTO fee of \$180.00 as set forth under 37 CFR 1.17(p) for filing an IDS at this stage of prosecution (after issuance of a first Office Action). If any further fees are required, authorization is given to charge same against Account No. 06-1378.

Commercially available English language Abstracts are provided for each of the Japanese publications submitted herewith except for Jap. Publn. No. 5-35288.

Respectfully submitted,


Leonard Holtz
Reg. No. 22,874

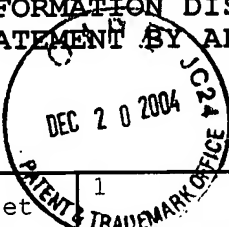
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PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application Number	10/655,894
		Filing Date	September 4, 2003
		First Named Inventor	Takahiro KAWAGUCHI et al
		Group Art Unit	2854
		Examiner Name	COLILLA, DANIEL JAMES
Sheet 1 of 3	Attorney Docket Number		03544/LH

U.S. PATENT DOCUMENTS

Exam. Inits ¹	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
		6,776,545	B1	TERAO	08/17/04	
		6,698,956	A	TERAO et al	03/02/04	
		4,988,223		HILKENMEIER et al	01/29/91	
		4,993,854		SATO	02/19/91	
		2004/0170461	A1	KAWAGUCHI	09/02/04	
		6,805,503	B1	TSUCHIYA et al	10/19/04	
		4,767,227		MITSUISHI et al	08/30/98	

FOREIGN PATENT DOCUMENTS

Exam Inits ¹	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
		JP	2001-219586	A	SEIKO EPSON CORP	08-14-2001		*
		JP	09-187972	A	OKI DATA:KK	07-22-1997		x*
		JP	07-125265	A	NEC TOHOKU LTD	05-16-1995		x*
		JP	5-35288	U		05-14-1993		
		JP	7-22994	B2	BROTHER IND LTD	02-15-1990		x*
		JP	09-314868	A	NEC DATA TERMINAL LTD	12-09-1997		x*
		JP	04-105945	A	NEC CORP	04-07-1992		x*
		JP	03-191036	A	TOSHIBA CORP	08-21-1991		x*
		JP	02-011336	A	MANNESMANN AG	01-16-1990		x*
			*English language Abstract only.					

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Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

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PTO/SB/08A (08-00)

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				Group Art Unit		2854	
				Examiner Name		COLILLA, DANIEL JAMES	
Sheet	2	of	3	Attorney Docket Number		03544/LH	

U.S. PATENT DOCUMENTS

Exam. Inits [*]	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

FOREIGN PATENT DOCUMENTS

Exam Inits [*]	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
		JP	3-7351	A	SEIKO EPSON CORP	01-14-1991		*
		JP	6-218954	A	SEIKO EPSON CORP	08-09-1994		*
		JP	2000-280497	A	TOSHIBA TEC CORP	10-10-2000		x*
			*English language Abstract only.					

Examiner Signature		Date Considered	
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Sheet	3	of	3	Attorney Docket Number	03544/LH
NON PATENT LITERATURE DOCUMENTS					
Exam Inits ⁷	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ⁶
		Serial No.:10/655,281, Inventor: KAWAGUCHI,T., Filing date: September 03, 2003			
		Serial No. 10/764,642, Inventor: KAWAGUCHI,T., Filing date: January 26, 2004			
		Serial No. 10/940,361, Inventor: KAWAGUCHI, T. et al., Filing date: September 14, 2004			
		Serial No. 10/940,362, Inventor: KAWAGUCHI, T. et al., Filing date: September 14, 2004			
		Serial No. 10/940,492, Inventor: TSUCHIYA , K. et al., Filing date: September 14, 2004			
		Serial No. 10/940,432, Inventor: KAWAGUCHI, T. Filing date: September 14, 2004			
		Serial No. 10/940,338, Inventor: KAWAGUCHI, T. et al., Filing date: September 14, 2004			
Examiner Signature				Date Considered	

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